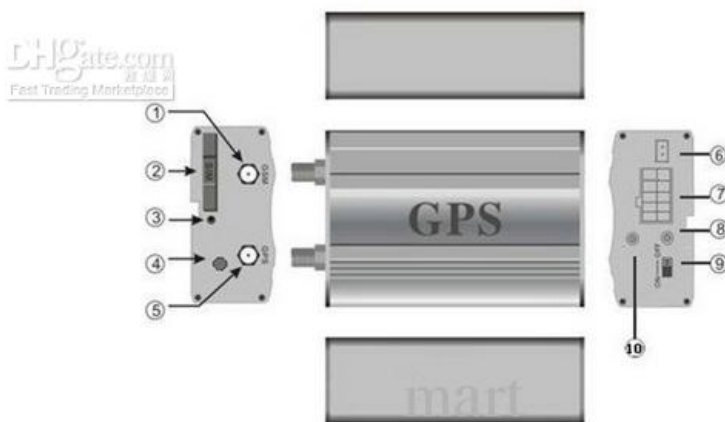


GPS/SMS/GPRS TRACKER TK103A VEHICLE CAR REALTIME TRACKING DEVICE SYSTEM

This GPS Tracker was specially made for vehicles. It's a new product based on the GSM/GPRS (850, 900, 1800, 1900MHz) network and satellite positioning system. It sets multiple functions such as real time positioning, security, monitoring surveillance, emergency alarms and tracking in its entirety. It now has a SD Card Slot.

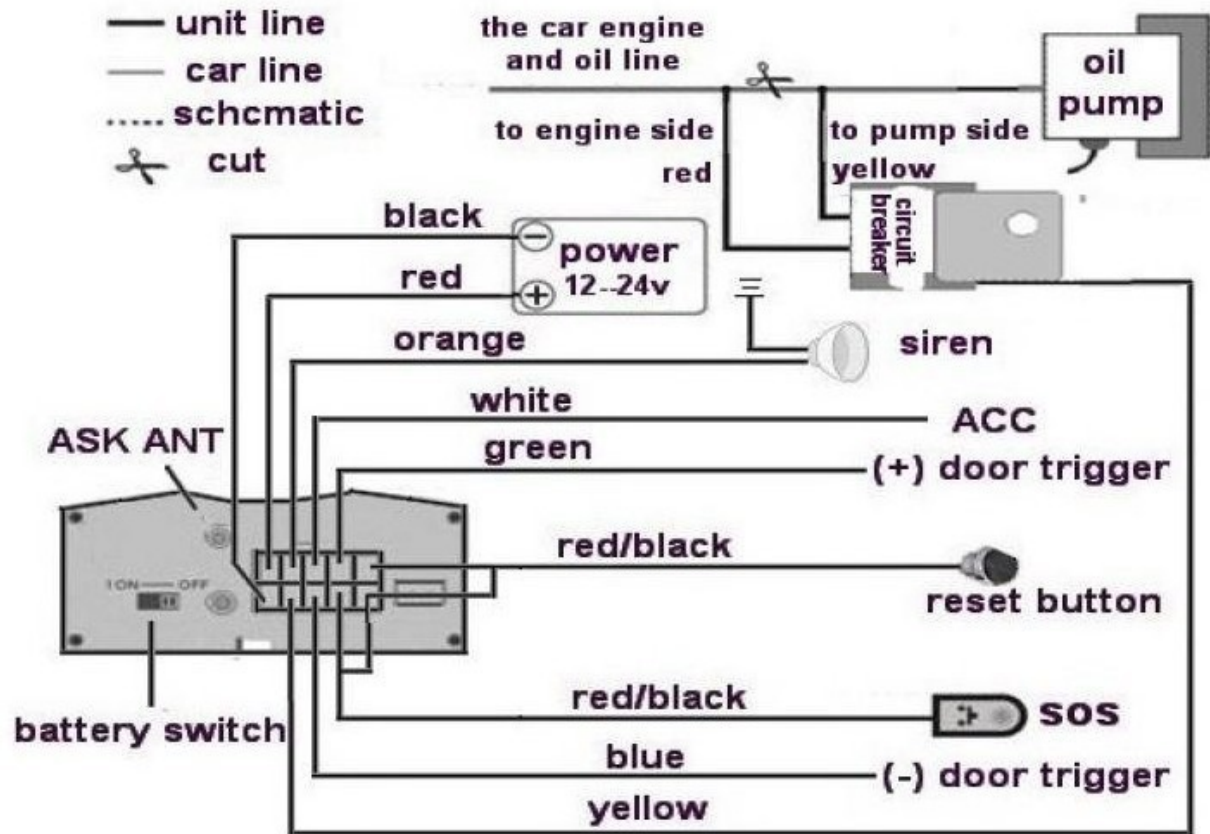
HOW DOES IT WORK?

The unit is powered by automotive battery, and should be installed inside a vehicle (preferably a place where it cannot be seen, for example, under the car seat). It runs on the latest GPS SiRF III chip-set, a sophisticated GPS microchip embedded into the heart of the tracker which continually reads its own location from low orbiting global satellites and then utilizes the GSM/GPRS infrastructure operated by your network provider to transmit its current location to you.



- | | |
|--------------------------------|------------------------------------|
| ①. GSM Antenna jack | ⑥. Sensor jack |
| ②. SIM card slot | ⑦. External Connection jack |
| ③. SIM card slot Pop-up switch | ⑧. Power/GSM/GPS LED indicator |
| ④. Monitor jack | ⑨. Backup battery switch |
| ⑤. GPS Antenna jack | ⑩. Remote control receiver antenna |

Wiring Diagram



Wiring Diagram

Then you can operate it on PC (Google map or software Platform) and Mobile phone. All you need to do is insert a working SIM card, it even has Quad-band Connectivity so it works anywhere in the world. The GPS Car Tracker makes no sound at all, so you are fully aware of what is happening to your car, but the inside driver and passenger don't know that their activity and locations are been constantly reported.

Step One : APN Configuration

1. APN standards for Access Point Name differs from country to country. For more information about the local APN, **inquire with your local GPRS network operator.**
2. Send the SMS to tracker : “**APN123456 + Space +YourlocalAPN**”, if succeeded in setup, the tracker will return the message “APN OK”

e.g. send SMS command “apn123456 cmnet” to tracker device. If succeeded, “APN OK” is returned by the tracker in SMS.

Notes: 123456 refers to password of tracker and CMNET is the APN of a China Mobile Company.

Step TWO : IP Address and Port Setup

If you are using our server 1 , please send **adminip123456 202.104.150.75 9000**

If you are using our server 2, please send **adminip123456 202.104.149.227 9000**

Step THREE : Send SMS “gprs+password” to the unit, and it will reply “GPRS ok!” .

For example , send “ gprs123456 “ to tracker .

Step FOUR (Not compulsory) : GPRS Login User Name and Password Configuration

1. In most countries, the user name and password involving GPRS login are not compulsorily necessary.
2. Therefore, **the entry can be skipped**. For those countries requiring user name and password, please configure as follows:
3. Send SMS command “up123456+Space+User+Space+Password”. If
4. succeeded, “user, password OK” is returned by the tracker in SMS.

E.g. Send SMS “up123456 Jonnes 666666” to the tracker, and if succeeded, the tracker returns "user, password OK".

Notes: 123456 refers to password of the tracker, Jonnes user name and 666666 GPRS password.

FEATURES and FUNCTIONS:

1. Car GPS Tracker & Alarm System with Web based and PC based software by SMS/GPRS, Geo fence supported
2. Support orientation without orientated server: it can find out Real-time longitude and latitude, time and speed. By using public map software and entering longitude and latitude manually, you can find out the real-time information of position.
3. If the target you are inquiring enters into underground parking lot or other GPS blind area, the tracker will inform you the last orientation.
4. Remote Engine-stop and Resume.
5. Tracking function by timing and frequency
6. Authorized number added and deleted function
7. Support hidden alarm and monitor function
8. Geo-fence: Set up a geo-fence for the unit to restrict its movements within a district. The unit will send the message to the authorized numbers when it breaches the district.
9. Power supply disconnection alarm.
10. Door alarm
11. ACC alarm
12. Movement alert: you can set up barriers when the vehicle is stopped. Once moved, it can give an alarm to the authorized number.

13. Over speed alarm: you can make the inspected target run according to fixed speed. It alarms when speed is exceeded.

14. Low battery alarm function

15. Check the vehicle status

Functions:

1. Support non-server based location

2. Location memorization

3. Auto location report

4. Authorize/delete the tracking phone number

5. Covert alert & voice surveillance

6. Geo-Fence: alert in case of breaching the predefined district

7. Movement alert: alert in case of movement

8. Speed alert: alert in case of excess of the pre-defined speed

9. Power alert: alert when device is being switched off

Applications:

1. Anti-theft of the vehicle/heavy equipment etc.
2. Protect the child / the old / the disabled / pet etc.
3. Provide peace-of-mind for businessman;
4. Personnel management;
5. Covert criminal Tracking
6. The GPS devices support phone tracking and 8 languages (English, Spanish, Portuguese, Arabic, Thai language, Italian, German, Chinese) website tracking.

7. Four types Tracking ways:

Tracking way A>: SMS + Map software; It's free

Tracking way B>: PDA Cell Phone; It's free

Tracking way C>: Real time tracking, and track via your computer; It's free

Tracking way D>: simple & useful real time tracking via our website which you can find on manual. [only the on-line web page tracking software has one week free trial, after that it is about 10USD per year.]

8. Build in 1M memory & Support 2G SD card: This is a latest update feature!

Specifications

1. DIM. 54*62*26mm
2. Weight: 120g
3. Network: GSM/GPRS
4. Band: 850/900/1800/1900Mhz
5. GSM/GPRS Module: Simcom300d or Simcom340d
6. GPS Chip: SIRF3 chip
7. GPS Sensitivity: -159dBm
8. GPS Accuracy: 5m
9. GPS Start time: Cold status: 45s, Warm status: 35s, Hot status: 1s
10. Voltage of car power system: 12 V -24V
11. Backup battery: Chargeable 3.7V 800mAh Li-ion battery
12. Storage Temp. -40 to +85
13. Operation Temp. -20 to +65
14. Humidity 5%--95% non-condensing

Functions

Tracking; Monitor; Geo-fence; Movement alert; Over speed alert; SOS Button; Low battery alert; Hidden number tracking; Power off alarm; Send SMS cut off/resume the oil and power system, arm, door alarm, sensor alarm, ACC alarm; Support 4G SD card; Support TCP and UDP protocol.

In The Package

1 x Vehicle Car GPS Tracking Device tk103a

1 x GPS Antenna 3 meters long

1 x GSM Antenna 2 meters long

1 x 10-PIN Harness

1 x User Manual

1 x Lapel microphone